

WHAT IS CLAIMED IS:

1. A second stage regulator comprising:

a chamber having a cylindrical body;

a first opening on the cylindrical body wherein an exhaust valve is removably attached

5 to the first opening of the cylindrical body;

a second opening on the cylindrical body wherein a mouthpiece is removably attached
to the second opening of the cylindrical body;

a hose connected to the chamber wherein the hose connects the cylindrical body to an
air source.

10 2. The second stage regulator of Claim 1, further comprising:

a third opening in the cylindrical body wherein the third opening in the cylindrical
body has a blanking plug.

3. The second stage regulator of Claim 1, further comprising:

an exhaust mount removably attached to the first opening wherein the exhaust valve

15 attaches to the exhaust mount.

4. The second stage regulator of Claim 1 wherein the mouthpiece is rotatable about the
regulator three hundred and sixty degrees.

5. The second stage regulator of Claim 1 wherein the mouthpiece has an attachment means with a plurality of sides for attachment to the regulator.

6. The second stage regulator of Claim 1 wherein the regulator has an attachment means with a plurality of sides thereon for attachment to the mouthpiece.

5 7. The second stage regulator of Claim 1 wherein the attachment means of the regulator accommodates the attachment means of the mouthpiece for attachment of the mouthpiece to the regulator wherein the plurality of sides of the mouthpiece correspond to the plurality of sides on the regulator.

10 8. The second stage regulator of Claim 1 wherein the mouthpiece may be secured to the regulator in a plurality of positions wherein the secured position is defined by the plurality of sides on the mouthpiece fitting about a pattern on the regulator.

9. The second stage regulator of Claim 1 wherein the mouthpiece may be attached to any of the first opening, the second opening and the third opening.

15 10. The second stage regulator of Claim 1 wherein the exhaust valve may be attached to any of the first opening, the second opening and the third opening.

11. A second stage regulator comprising:

a chamber having a cylindrical body;

a first opening on the cylindrical body;

an exhaust valve removably attached to the first opening of the cylindrical body;

5 a second opening on the cylindrical body

a mouthpiece is removably attached to the second opening of the cylindrical body

wherein the mouthpiece has a first side adapted for insertion into a mouth and a second side having a plurality of sides contained thereon;

a third opening on the cylindrical body wherein the third opening has a blanking plug

10 contain thereon.

a hose connected to the chamber wherein the hose connects the cylindrical body to the air source.

12. The second stage regulator of Claim 11 wherein the cylindrical body has a configuration of sides on any of the first side, second side and third side adapted for reception of the plurality of sides contained on the mouthpiece.

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13. The second stage regulator of Claim 11 wherein the mouthpiece may be removably attached to any of the first opening, second opening and third opening.

14. The second stage regulator of Claim 11 wherein the mouthpiece is rotatable about the regulator.

15. A method for using a second stage regulator, the method comprising the steps of:

providing a regulator having a first opening, a second opening, and a third opening;

5 providing a mouthpiece that is removably attached to the regulator;

providing an exhaust means for discharging used air supply;

connecting a hose from the regulator to the air source;

connecting the mouthpiece to the regulator wherein the mouthpiece may be connected
to the regulator in a plurality of positions; and

10 connecting the regulator via the hose to the air source.

16. The method of Claim 15 further comprising the step of:

allowing mounting of the regulator in connection with a plurality of configurations.

17. The method of Claim 15 further comprising the step of:

reconfiguring the mouthpiece attachment position in relation to the regulator prior to

15 use.

18. The method of Claim 15 further comprising the step of:

reconfiguring the mouthpiece attachment position in relation to the regulator during use.

19. The method of Claim 15 further comprising the step of:

allowing the interchange of the mouthpiece between the first opening, the second
5 opening and the third opening.

20. The method of Claim 15 further comprising the step of:

allowing the mouthpiece to swivel to three hundred and sixty degrees about the
regulator.

21. The method of Claim 15 further comprising the step of:

10 attaching the mouthpiece to the regulator with a threaded clamping ring.

22. The method of Claim 15 further comprising the step of:

attaching the mouthpiece to the regulator such that the mouthpiece can change
position by ratcheting about the regulator.

23. The method of Claim 15 further comprising the step of:

attaching the mouthpiece to the regulator by establishing a hexagonal pattern onto the mouthpiece wherein the regulator has a similarly configured hexagonal pattern contained thereon to removably attach the mouthpiece to the regulator.